L	Hits	Search Text	DB	Time stamp
Number				
	0	10133578.pn.	USPAT;	2003/10/06
_	1	10133578.pn.	US-PGPUB USPAT;	09:55
		101000 / 0 · p	US-PGPUB;	09:56
	_		JPO	
_	2	"10324405" 5298332.pn.	USPAT; US-PGPUB;	2003/10/06
			JPO	
_	1	"10324405" 5298332.pn.	JPO	2003/10/06
_	2	"10324405" 05298332.pn.	JPO	09:58
		10321100 0023032.p		11:57
-	1	5546523.pn.	USPAT;	2003/10/06
_	4249	distribut\$5 with information with manag\$5	US-PGPUB USPAT;	13:31 2003/10/06
			US-PGPUB	13:46
_	20282	(process\$5 with information with manag\$5)	USPAT;	2003/10/06
į		or (distribut\$5 with information with manag\$5)	US-PGPUB	13:48
-	9155	(process\$5 with information with manag\$5	USPAT;	2003/10/06
		with system) or (distribut\$5 with	US-PGPUB	18:14
_	19057	information with manag\$5 with system) (process\$5 with information with manag\$5)	USPAT;	2003/10/06
		or (distribut\$5 with information with	US-PGPUB	13:50
	8450	manag\$5) and @ad<19990422 (process\$5 with information with manag\$5	USPAT;	2003/10/06
-	8450	with system or (distribut\$5 with	US-PGPUB	13:49
		information with manag\$5 with system) and		
j	170	@ad<19990422 ((process\$5 with information with	USPAT;	2003/10/06
-	170	manag\$5) or (distribut\$5 with information	US-PGPUB	13:50
	1	with manag\$5) and @ad<19990422) and (data		
	704	adj carrier) ((process\$5 with information with	USPAT;	2003/10/06
	704	manag\$5) or (distribut\$5 with information	US-PGPUB	13:51
		with manag\$5) and @ad<19990422) and (data		
_	198	adj carrier) or (electronic adj tag) ((process\$5 with information with	USPAT;	2003/10/06
	150	manag\$5) or (distribut\$5 with information	US-PGPUB	13:51
		with manag\$5) and @ad<19990422) and		
		((data adj carrier) or (electronic adj		
-	1020	((process\$5 with information with	USPAT;	2003/10/06
		manag\$5) or (distribut\$5 with information with manag\$5) and @ad<19990422) and	US-PGPUB	15:36
		((data adj carrier) or (electronic adj		
		tag) or (data adj handl\$4))		0000/10/05
-	. 3675	((process\$5 with information with manag\$5) or (distribut\$5 with information	USPAT; US-PGPUB	2003/10/06
		with manag\$5) and @ad<19990422) and	OS FOLOB	13.33
		((data adj carrier) or (tag) or (data		
1_	645	adj handl\$4)) (((process\$5 with information with	USPAT;	2003/10/06
	643	manag\$5) or (distribut\$5 with information	US-PGPUB	13:53
		with manag\$5) and @ad<19990422) and	1	
		((data adj carrier) or (tag) or (data adj handl\$4))) and signature		
_	410	((((process\$5 with information with	USPAT;	2003/10/06
		manag\$5) or (distribut\$5 with information	US-PGPUB	13:56
		with manag\$5) and @ad<19990422) and ((data adj carrier) or (tag) or (data		
		adj handl\$4))) and signature) and		
		((verif\$5 or check\$4) with (data or		
		information or object)) same ((generat\$5 or process\$4) with (data or information		
		or object))		

_	517	((((process\$5 with information with manag\$5) or (distribut\$5 with information	USPAT; US-PGPUB	2003/10/06 13:57
		with manag\$5) and @ad<19990422) and		
		((data adj carrier) or (tag) or (data		
		adj handl\$4))) and signature) and	l .	·
		((verif\$5 or check\$4) with (data or		
	•	information or object)) and((generat\$5 or process\$4) with (data or information or		
		object))		
-	486		USPAT;	2003/10/06
		manag\$5) or (distribut\$5 with information	US-PGPUB	14:03
		with manag\$5) and @ad<19990422) and		
1		((data adj carrier) or (tag) or (data		
		adj handl\$4))) and signature) and ((verif\$5 or check\$4) with (data or		
		information or object)) and((generat\$5 or		
		process\$4) with (data or information or		·
		object)) and ((stor\$4 or sav\$4) with		
	•	(data or information or object)) and		
		(read\$4 with (data or information or		
		object))		0000/10/06
-	478	((((process\$5 with information with manag\$5) or (distribut\$5 with information	USPAT;	2003/10/06 14:02
		with manag\$5) and @ad<19990422) and	US-PGPUB	14:02
		((data adj carrier) or (tag) or (data		
İ		adj handl\$4))) and signature) and		
		((verif\$5 or check\$4) with (data or		
		information or object)) and((generat\$5 or		
		process\$4) with (data or information or		
		object)) and ((stor\$4 or sav\$4) with (data or information or object)) and	1	
		(read\$4 with (data or information or	1	
		object)) and (communicat\$4)		
_	8	1 , , , , , , , , , , , , , , , , , , ,	USPAT;	2003/10/06
		manag\$5) or (distribut\$5 with information	US-PGPUB	14:03
		with manag\$5) and @ad<19990422) and		
		((data adj carrier) or (tag) or (data adj handl\$4))) and signature) and		
		((verif\$5 or check\$4) with (data or		•
		information or object)) and((generat\$5 or		
		process\$4) with (data or information or		
		object)) and ((stor\$4 or sav\$4) with		
		(data or information or object)) and (read\$4 with (data or information or		
		object))) not (((((process\$5 with		1
		information with manag\$5) or (distribut\$5		
		with information with manag\$5) and		
		@ad<19990422) and ((data adj carrier) or	1	
		(tag) or (data adj handl\$4))) and	1	
		signature) and ((verif\$5 or check\$4) with (data or information or object))		
		and((generat\$5 or process\$4) with (data		
		or information or object)) and ((stor\$4)	1	
		or sav\$4) with (data or information or	1	
		object)) and (read\$4 with (data or		
	1	information or object)) and (communicat\$4		
_	87	(((((process\$5 with information with	USPAT;	2003/10/06
	"	manag\$5) or (distribut\$5 with information	US-PGPUB	14:05
		with manag\$5) and @ad<19990422) and		
	1	((data adj carrier) or (tag) or (data		
	1	adj handl\$4))) and signature) and		
		<pre>((verif\$5 or check\$4) with (data or information or object)) and((generat\$5 or</pre>		
	1	process\$4) with (data or information or		
		object)) and ((stor\$4 or sav\$4) with		-
		(data or information or object)) and		
	1	(read\$4 with (data or information or		
	I	object))) and (sign\$6 with private)	<u> </u>	

-	235		USPAT;	2003/10/06
	1	manag\$5) or (distribut\$5 with information	US-PGPUB	14:17
		with manag\$5) and @ad<19990422) and		
		((data adj carrier) or (tag) or (data		
		adj handl\$4))) and signature) and		
		((verif\$5 or check\$4) with (data or		
		information or object)) and((generat\$5 or		
		process\$4) with (data or information or		
		object)) and ((stor\$4 or sav\$4) with		
		(data or information or object)) and		
		(read\$4 with (data or information or		
		object))) and ((sign\$6 or key)with		
	٠,	private)	HCDAM.	2003/10/06
-	25	(((((process\$5 with information with	USPAT; US-PGPUB	16:09
		manag\$5) or (distribut\$5 with information	US-PGPUB	16.09
		with manag\$5) and @ad<19990422) and ((data adj carrier) or (tag) or (data		
		adj handl\$4))) and signature) and		
		((verif\$5 or check\$4) with (data or		
		<pre>information or object)) and((generat\$5 or process\$4) with (data or information or</pre>		
1		object)) and ((stor\$4 or sav\$4) with		
		(data or information or object)) and		
		(read\$4 with (data or information or		
		object))) and ((sign\$6 or key) with		
		private) and @ad<19990422		
_	2	(((((process\$5 with information with	USPAT;	2003/10/06
-		manag\$5) or (distribut\$5 with information	US-PGPUB	14:18
1		with manag\$5) and @ad<19990422) and		.
		((data adj carrier) or (tag) or (data		
		adj handl\$4))) and signature) and		
		((verif\$5 or check\$4) with (data or		
	i e	information or object)) and((generat\$5 or		
		process\$4) with (data or information or		
		object)) and ((stor\$4 or sav\$4) with		
		(data or information or object)) and		İ
		(read\$4 with (data or information or		
		object))) and ((sign\$6 or key) with		
		private) and @ad<19990422) and process\$4		
		adj module		•
-	2	((((((process\$5 with information with	USPAT;	2003/10/06
		manag\$5) or (distribut\$5 with information	US-PGPUB	14:19
		with manag\$5) and @ad<19990422) and		
		((data adj carrier) or (tag) or (data		
		adj handl\$4))) and signature) and		
		((verif\$5 or check\$4) with (data or		1
		information or object)) and((generat\$5 or		
		process\$4) with (data or information or		
		object)) and ((stor\$4 or sav\$4) with		
		(data or information or object)) and		
	1	(read\$4 with (data or information or		1
	1	object))) and ((sign\$6 or key) with		
		private) and @ad<19990422) and (process\$4		
		adj module)		2002/10/06
-	615		USPAT;	2003/10/06
1		stor\$4) and (verif\$8 near2 (data or	US-PGPUB	15:00
		information) same read\$3) and		
		((generat\$4 or process\$4) near2 (key or	1	
		sign\$6) same stor\$4) and @ad<19990422	HCDAM	2002/10/06
-	31617	(read near2 (data or information) same	USPAT;	2003/10/06
1		stor\$4) and ((verif\$8 or check\$4) near2	US-PGPUB	14:57
		(data or information) same read\$3) and		
		((generat\$4 or process\$4) near2 (key or]
		sign\$6) same stor\$4) and ((verif\$8 or		
İ		check\$4) near2 (key or sign\$6) same		
1		stor\$4) ((select\$4 or choos\$4) near2		
1		(key or sign\$6) same stor\$4) and		
1	1	@ad<19990422	1	l

				10000/10/05
i -	2283	(read near2 (data or information) same	USPAT;	2003/10/06
		stor\$4) and ((verif\$8 or check\$4) near2 (data or information) same read\$3) and	US-PGPUB	15:18
		((generat\$4 or process\$4) near2 (key or		
		sign\$6) same stor\$4) and @ad<19990422		
l _	18		USPAT;	2003/10/06
	10	stor\$4) and ((verif\$8 or check\$4) near2	US-PGPUB	15:16
		(data or information) same read\$3) and	05 10105	
		((generat\$4 or process\$4) near2 (key or		
	•	sign\$6) same stor\$4) and @ad<19990422)		
		and ((generat\$4 or process\$4) (signature		
		or key)) and (sign\$8 with private with		
		(information or data) same stor\$4) and		
		@ad<19990422		
_	2870411	(read near2 (data or information) same	USPAT;	2003/10/06
		stor\$4) @ad<19990422	US-PGPUB	15:07
_	2881463	(((data or information) near2 read\$4)	USPAT;	2003/10/06
		same stor\$4) @ad<19990422	US-PGPUB .	15:08
-	2283	((read near2 (data or information)) same	USPAT;	2003/10/06
	1 .	stor\$4) and (((verif\$8 or check\$4) near2	US-PGPUB	15:10
		(data or information)) same read\$3) and		
		((generat\$4 or process\$4) near2 (key or		
		sign\$6) same stor\$4) and @ad<19990422		
-	18		USPAT;	2003/10/06
		stor\$4) and ((verif\$8 or check\$4) near2	US-PGPUB	15:23
		(data or information) same read\$3) and		
		((generat\$4 or process\$4) near2 (key or		
		sign\$6) same stor\$4) and @ad<19990422)		.
		and ((generat\$4 or process\$4) (signature		
		or key)) and (sign\$8 with private with		
	•	(information or data) same (sav\$4 or		
		stor\$4)) and @ad<19990422 ((read near2 (data or information) same	USPAT;	2003/10/06
-	0		US-PGPUB	15:20
		stor\$4) and ((verif\$8 or check\$4) near2 (data or information) same read\$3) and	US-FGF0B	13.20
		((generat\$4 or process\$4) near2 (key or		
		sign\$6) same stor\$4) and @ad<19990422)		
		and ((generat\$4 or process\$4) (signature	1	
		or key)) and (sign\$8 with private with		
		(information or data) same (sav\$4 or		
1		stor\$4)) and (data adj carrier) and		
1	1.	@ad<19990422		
_	0	((read near2 (data or information) same	USPAT;	2003/10/06
1		stor\$4) and ((verif\$8 or check\$4) near2	US-PGPUB	15:18
		(data or information) same read\$3) and		
1		((generat\$4 or process\$4) near2 (key or		
		sign\$6) same stor\$4) and @ad<19990422)		
		and ((generat\$4 or process\$4) (signature		
		or key)) and (sign\$8 same private with		
		(information or data) same (sav\$4 or		1
1		stor\$4)) and (data adj carrier) and		.]
1	_	@ad<19990422	HCD2m.	2002/10/06
-	. 29	1 , 1	USPAT; US-PGPUB	2003/10/06 15:19
		stor\$4) and ((verif\$8 or check\$4) near2	05-FGE0R	12:13
		(data or information) same read\$3) and		
		((generat\$4 or process\$4) near2 (key or		
		sign\$6) same stor\$4) and @ad<19990422) and (data adj carrier)		
1_	4		USPAT;	2003/10/06
1	4	stor\$4) and ((verif\$8 or check\$4) near2	US-PGPUB	15:21
		(data or information) same read\$3) and		
		((generat\$4 or process\$4) near2 (key or		
		sign\$6) same stor\$4) and @ad<19990422)		
	1	and ((generat\$4 or process\$4) (signature		
	•	or key)) and (sign\$8 with private with		
		(information or data) same (sav\$4 or		
		stor\$4)) and ((data adj carrier) or		
		(electronic adj tag) or (data adj		
		handl\$4)) and @ad<19990422		

-	4	((read near2 (data or information) same	USPAT;	2003/10/06
		stor\$4) and ((verif\$8 or check\$4) near2	US-PGPUB	15:23
		(data or information) same read\$3) and		
		((generat\$4 or process\$4) near2 (key or		
		sign\$6) same stor\$4) and @ad<19990422)		į l
		and ((generat\$4 or process\$4) (signature		
		or key)) and (sign\$8 with private with		
	-	(information or data) same (sav\$4 or	,	
		stor\$4)) and ((data adj carrier) or		
		(electronic adj tag) or (data adj		
		handl\$4)) and @ad<19990422		
-	174	1 12 = = = = = 1 1 1 1 1 1 1 1 1 1 1 1 1	USPAT;	2003/10/06
		manag\$5) or (distribut\$5 with information	US-PGPUB	15:43
		with manag\$5) and @ad<19990422) and		
		(((data adj carrier) or (electronic adj		
		tag) or (data adj handl\$4)) with stor\$4)		
-	15021	((process\$5 with information with	USPAT;	2003/10/06
		manag\$5) or (distribut\$5 with information	US-PGPUB	15:44
		with manag\$5) and @ad<19990422) and		
}		(((data adj carrier) or (tag) or		
		(memory device) or (data adj handler))		
		with stor\$4)		/
-	17964		USPAT;	2003/10/06
		manag\$5) or (distribut\$5 with information	US-PGPUB	15:44
i	· ·	with manag\$5) and @ad<19990422) and		
		(((data adj carrier) or (tag) or		
	į	(memory device) or (data adj handler)))	l	
-	8519	((process\$5 with information with	USPAT;	2003/10/06
		manag\$5) or (distribut\$5 with information	US-PGPUB	15:50
		with manag\$5) and @ad<19990422) and		1
		(((data adj carrier) or (tag) or	İ	
		(memory device) or (data adj handler)))		
		and @ad<19990422		0000/10/06
-	96		USPAT;	2003/10/06
		manag\$5) or (distribut\$5 with information	US-PGPUB	15:50
		with manag\$5) and @ad<19990422) and		
		(((data adj carrier) or (tag) or		
		(memory device) or (data adj handler)))		
		and @ad<19990422) and (process\$4 adj		
		module) and (manag\$6 adj module)	USPAT;	2003/10/06
-	9	((((process\$5 with information with	US-PGPUB	15:46
		manag\$5) or (distribut\$5 with information	US-PGPUB	13.40
		with manag\$5) and @ad<19990422) and	ļ.	
		(((data adj carrier) or (tag) or		1
	ŀ	(memory device) or (data adj handler))) and @ad<19990422) and (process\$4 adj		
		module) and (manag\$6 adj module)) and		
		distribution near information		
1_	12		USPAT;	2003/10/06
1 -	12	((((process\$5 with information with manag\$5) or (distribut\$5 with information	US-PGPUB	15:47
1		with manag\$5) and @ad<19990422) and	32 13132	
		(((data adj carrier) or (tag) or		
		((data adj calller) of (tag) of (memory device) or (data adj handler)))		
		and @ad<19990422) and (process\$4 adj		
	,	module) and (manag\$6 adj module)) and		
		(distribution near (data or information))	1	
_	21	((((process\$5 with information with	USPAT;	2003/10/06
		manag\$5) or (distribut\$5 with information	US-PGPUB	15:47
		with manag\$5) and @ad<19990422) and		
		(((data adj carrier) or (tag) or		
		(memory device) or (data adj handler)))		
		and @ad<19990422) and (process\$4 adj		
		module) and (manag\$6 adj module)) and		
		((signature or key) and private)		
-	2195	((process\$5 with information with	USPAT;	2003/10/06
	1	manag\$5) or (distribut\$5 with information	US-PGPUB	17:19
		with manag\$5) and @ad<19990422) and		
		(((data adj carrier) or (tag) or		
		(memory adj device) or (data adj		
		handler))) and @ad<19990422	<u></u>	

·					
-		428	(((process\$5 with information with	USPAT;	2003/10/06
			manag\$5) or (distribut\$5 with information	US-PGPUB	15:51
			with manag\$5) and @ad<19990422) and		
			(((data adj carrier) or (tag) or		
			(memory adj device) or (data adj		
			handler))) and @ad<19990422) and		
	1		((signature or key) and private)		
_	l	419		USPAT;	2003/10/06
			manag\$5) or (distribut\$5 with information	US-PGPUB	15:53
1			with manag\$5) and @ad<19990422) and	10102	
			(((data adj carrier) or (tag) or		
			(memory adj device) or (data adj		
			handler))) and @ad<19990422) and		
			((signature or key) and private)) and		
			(information with process\$4) and		
			(manag\$6 with information)		
-		419	1 1 1 1 2	USPAT;	2003/10/06
			manag\$5) or (distribut\$5 with information	US-PGPUB	15:53
			with manag\$5) and @ad<19990422) and		· ·
1	1		(((data adj carrier) or (tag) or		l
1			(memory adj device) or (data adj		l
	l		handler))) and @ad<19990422) and		l
I	l		((signature or key) and private)) and		l
			(information with process\$4) and		
1			((control\$5 or manag\$6) with information)		1
		126		USPAT;	2003/10/06
-		126	((((process35 with information with manag\$5) or (distribut\$5 with information	USPAT; US-PGPUB	15:55
				US-PGPUB	13.33
			with manag\$5) and @ad<19990422) and		
			(((data adj carrier) or (tag) or		_
ļ.			(memory adj device) or (data adj		· ·
			handler))) and @ad<19990422) and		
			((signature or key) and private)) and		
			(read same stor\$4) and (verif\$8 same		
	1		read\$4)		
_		58	((((process\$5 with information with	USPAT;	2003/10/06
			manag\$5) or (distribut\$5 with information	US-PGPUB	15:58
			with manag\$5) and @ad<19990422) and		
i			(((data adj carrier) or (tag) or		
			(memory adj device) or (data adj		
			handler))) and @ad<19990422) and		
	l		((signature or key) and private)) and		
	1		((generat\$5 or process\$4) with (key or		
			signature) and (verif\$8 with (key or		
	'		signature)) and (Verilian with (key of signature))		
1		E 0		USPAT;	2003/10/06
1 -		52		US-PGPUB	15:58
			manag\$5) or (distribut\$5 with information	US-FGFUD	10.00
	1		with manag\$5) and @ad<19990422) and		
	l		(((data adj carrier) or (tag) or		
	1		(memory adj device) or (data adj		
1	1		handler))) and @ad<19990422) and		
	1		((signature or key) and private)) and		
	1		((generat\$5 or process\$4) with (key or		
	1		signature)) and (verif\$8 with (key or		
	1		signature)) and (distribut\$5 with		
	Ι .		(information or data))		
_	1	24	(((((process\$5 with information with	USPAT;	2003/10/06
	1		manag\$5) or (distribut\$5 with information	US-PGPUB	16:13
	1		with manag\$5) and @ad<19990422) and		
	1		((data adj carrier) or (tag) or (data		
	1		adj handl\$4))) and signature) and	1	
1	1		((verif\$5 or check\$4) with (data or		
			information or object)) and((generat\$5 or		
	1			1	
	1		process\$4) with (data or information or	1	· '
			object)) and ((stor\$4 or sav\$4) with	1	
			(data or information or object)) and (read\$4 with (data or information or	1	1
			I (reades/ with /data or intermation or	1	I
	'				
			object))) and ((sign\$6 or key) with		

•				
-	10546	((((((process\$5 with information with manag\$5) or (distribut\$5 with information	USPAT; US-PGPUB	2003/10/06 16:15
		with manag\$5) and @ad<19990422) and		
		((data adj carrier) or (tag) or (data		
		adj handl\$4))) and signature) and		
		((verif\$5 or check\$4) with (data or		
		information or object)) and((generat\$5 or		
		process\$4) with (data or information or		
		object)) and ((stor\$4 or sav\$4) with		
		(data or information or object)) and		
	·	(read\$4 with (data or information or		
		object))) and ((sign\$6 or key) with		
		private) and @ad<19990422) and		
		((information or data) with management		
		with (module or unit)) ((information or		
		data) with distribution with (module or		
		unit)) ((information or data) with		ł
		management with (module or unit)) and		
		identifier		
-	378	(((((process\$5 with information with	USPAT;	2003/10/06
		manag\$5) or (distribut\$5 with information	US-PGPUB	17:12
1	•	with manag\$5) and @ad<19990422) and		
		((data adj carrier) or (tag) or (data		
		adj handl\$4))) and signature) and		
		((verif\$5 or check\$4) with (data or		
		information or object)) and ((generat\$5 or		
		process\$4) with (data or information or		
		object)) and ((stor\$4 or sav\$4) with		
		(data or information or object)) and		
		(read\$4 with (data or information or		
		object))) and ((sign\$6 or key) with	·	
1		private) and @ad<19990422) and ((information or data) with management		
		with (module or unit)) ((information or		
		data) with distribution with (module or		
		unit)) and ((information or data) with		
		management with (module or unit)) and		
		identifier		
_	7	((((((process\$5 with information with	USPAT;	2003/10/06
	·	manag\$5) or (distribut\$5 with information	US-PGPUB	16:24
		with manag\$5) and @ad<19990422) and		
		((data adj carrier) or (tag) or (data		·
		adj handl\$4))) and signature) and		
		((verif\$5 or check\$4) with (data or		
		information or object)) and((generat\$5 or		
		process\$4) with (data or information or	Ì	
		object)) and ((stor\$4 or sav\$4) with		
		(data or information or object)) and		
1		(read\$4 with (data or information or		
		object))) and ((sign\$6 or key) with	1	
		private) and @ad<19990422) and		
		((information or data) with management with (module or unit)) and ((information		.
		or data) with distribution with (module		
		or unit)) and identifier		
_	121	713/160.ccls.	USPAT;	2003/10/06
	***	, 10, 10, 0010	US-PGPUB	16:24

[=	321	((((((process\$5 with information with	USPAT;	2003/10/06
	1	manag\$5) or (distribut\$5 with information	US-PGPUB	17:13
		with manag\$5) and @ad<19990422) and		
		((data adj carrier) or (tag) or (data		
		adj handl\$4))) and signature) and		
		((verif\$5 or check\$4) with (data or		ļ .
[information or object)) and((generat\$5 or		i
1		process\$4) with (data or information or		
		object)) and ((stor\$4 or sav\$4) with		·
		(data or information or object)) and		
	•	(read\$4 with (data or information or		
		object))) and ((sign\$6 or key) with		
		private) and @ad<19990422) and		
		((information or data) with management		
1		with (module or unit)) ((information or data) with distribution with (module or		
		unit)) and ((information or data) with		
		management with (module or unit)) and		
	-	identifier) and ((article or object)		
1_	4	attach\$4 with data) ((((((process\$5 with information with	USPAT;	2003/10/06
1 -	4	(((((((process35 with information with manag\$5) or (distribut\$5 with information	US-PGPUB	17:14
1		with manag\$5) and @ad<19990422) and	05 10101	
		((data adj carrier) or (tag) or (data		
		adj handl\$4))) and signature) and		
		((verif\$5 or check\$4) with (data or		
		information or object)) and (generat\$5 or		
		process\$4) with (data or information or		1
		object)) and ((stor\$4 or sav\$4) with		
		(data or information or object)) and		
		(read\$4 with (data or information or		.
	1	object))) and ((sign\$6 or key) with		·
	1	private) and @ad<19990422) and		
	· ·	((information or data) with management		
		with (module or unit)) ((information or		
	1	data) with distribution with (module or		
		unit)) and ((information or data) with	ļ	
		management with (module or unit)) and		
i		identifier) and ((article or object) with		
	1	attach\$4 with data)		
-	2581		USPAT;	2003/10/06
		manag\$5) or (distribut\$5 with information	US-PGPUB	17:21
		with manag\$5) and @ad<19990422) and		
	1	(((data adj carrier) or (tag)or (bar adj		
		code) or (memory adj device) or (data adj		
		handler))) and @ad<19990422		
-	257		USPAT;	2003/10/06
	1	manag\$5) or (distribut\$5 with information	US-PGPUB	17:21
		with manag\$5) and @ad<19990422) and		
1		(((data adj carrier) or (tag)or (bar adj		
		code) or (memory adj device) or (data adj		
		handler))) and @ad<19990422) and		
		signature	IIGDAM -	2002/10/06
-	157		USPAT;	2003/10/06
		manag\$5) or (distribut\$5 with information	US-PGPUB	17:22
	•	with manag\$5) and @ad<19990422) and		
		(((data adj carrier) or (tag) or (bar adj	1	
1		code) or (memory adj device) or (data adj	1	
1		handler))) and @ad<19990422) and		
1_	54	signature and identifier (((process\$5 with information with	USPAT;	2003/10/06
1-	54	(((process55 with information with manag\$5) or (distribut\$5 with information	US-PGPUB	17:22
i		with manag\$5) and @ad<19990422) and	35 13105	
1		(((data adj carrier) or (tag)or (bar adj		
1		code or (memory adj device) or (data adj	[
		handler))) and @ad<19990422) and		
}		signature and identifier and		
		(distribution near (data or information))		
ı	I	, and the state of		

	<u> </u>			
-	189		USPAT;	2003/10/06
		with system) or (distribut\$5 with	US-PGPUB	18:16
		information with manag\$5 with system)) same ((data adj carrier) or tag or (bar		
		adj code))		
_	189		USPAT;	2003/10/06
		with system) or (distribut\$5 with	US-PGPUB	18:17
		information with manag\$5 with system))		
		same ((data adj carrier) or tag or (bar	l	
		adj code)) same (stor\$4 and manag\$4		
		(data or information))		
-	28		USPAT;	2003/10/06
		with system) or (distribut\$5 with	US-PGPUB	18:18
i		information with manag\$5 with system)) same ((data adj carrier) or tag or (bar		
		adj code)) same (stor\$4 and (manag\$4		
		with (data or information)))		
_	111	((process\$5 with information with manag\$5	USPAT;	2003/10/06
		with system) or (distribut\$5 with	US-PGPUB	18:36
		information with manag\$5 with system))		
		same ((data adj carrier) or tag or (bar	. 1	
		adj code)) and (signature or key)		
-	12813	"111" and (stor\$4 and (manag\$4 with	USPAT;	2003/10/06
1		(data or information)))	US-PGPUB	18:19
-	97	(((process\$5 with information with	USPAT;	2003/10/06 18:30
		manag\$5 with system) or (distribut\$5 with	US-PGPUB	18:30
		information with manag\$5 with system)) same ((data adj carrier) or tag or (bar		
		adj code)) and (signature or key)) and		
		(stor\$4 and (manag\$4 with (data or		
		information)))		
-	79		USPAT;	2003/10/06
		manag\$5 with system) or (distribut\$5 with	US-PGPUB	18:21
	•	information with manag\$5 with system))		
		same ((data adj carrier) or tag or (bar		
		adj code)) and (signature or key)) and		ii
		(read with (data or information) with ((data adj carrier) or tag or (bar adj		
		((data adj carrier) or tag or (bar adj		
_	9	, , , ,	USPAT;	2003/10/06
		manag\$5 with system) or (distribut\$5 with	US-PGPUB	18:26
		information with manag\$5 with system))		
		same ((data adj carrier) or tag or (bar		•
		adj code)) and (signature or key)) and		,
	•	(read with (data or information) with		
		((data adj carrier) or tag or (bar adj		
_	0	code))) and @ad<19990422 (((process\$5 with information with	USPAT;	2003/10/06
_		manag\$5 with system) or (distribut\$5 with	US-PGPUB	18:27
		information with manag\$5 with system))		
		same ((data adj carrier) or tag or (bar		
		adj code)) and (signature or key)) and		
		(read with (data or information) with		
		((data adj carrier) or tag or (bar adj		,
		code))) and (private adj (key or		
		signature)) and @ad<19990422 (((process\$5 with information with	USPAT;	2003/10/06
-	3	(((process\$5 with information with manag\$5 with system) or (distribut\$5 with	US-PGPUB	18:31
		information with manag\$5 with system))	55 15105	
		same ((data adj carrier) or tag or (bar		
		adj code)) and (signature or key)) and		
		(digital adj (key or signature))		
-	121383	((data adj carrier) or tag or (bar adj	USPAT;	2003/10/06
		code)) and (signature or key) or (memory	US-PGPUB	18:36
		adj device)	11GD35	
1 -	2526		USPAT;	2003/10/06
		code)) and (signature or key) or (memory adj device)) and (digital adj signature)	US-PGPUB	18:39
		or (private adj signature) or (signature		
1		adj key)		
1	.1	1 3 3 /		l

-	. 965	((((data adj carrier) or tag or (bar adj	USPAT;	2003/10/06
	1	code)) and (signature or key) or (memory	US-PGPUB	18:39
	ļ	adj device)) and (digital adj signature)		
		or (private adj signature) or (signature		i
	52710	adj key)) and @ad<19990422	HCDAM.	2002/10/06
-	53719	distribution with (information or data)	USPAT;	2003/10/06 18:40
	242	(US-PGPUB	
_	242	(((((data adj carrier) or tag or (bar adj	USPAT; US-PGPUB	2003/10/06 18:41
l		code)) and (signature or key) or (memory adj device)) and (digital adj signature)	US-PGPUB	10:41
		or (private adj signature) or (signature		·
		adj key)) and @ad<19990422) and		
	·	distribution with (information or data)		
l _	535	(((((data adj carrier) or tag or (bar adj	USPAT;	2003/10/06
		code)) and (signature or key) or (memory	US-PGPUB	18:42
		adj device)) and (digital adj signature)		
1		or (private adj signature) or (signature		
		adj key)) and @ad<19990422) and (read	j	
		with (information or data))		
-	446	((((data adj carrier) or tag or (bar adj	USPAT;	2003/10/06
		code)) and (signature or key) or (memory	US-PGPUB	18:42
		adj device)) and (digital adj signature)	-	
		or (private adj signature) or (signature		
		adj key)) and @ad<19990422) and (verify\$5		
		with (information or data))		2222/12/25
_	677	(((((data adj carrier) or tag or (bar adj	USPAT;	2003/10/06
		code)) and (signature or key) or (memory	US-PGPUB	18:44
		adj device)) and (digital adj signature) or (private adj signature) or (signature		
		adj key)) and @ad<19990422) and		
		((verify\$5 or check\$5) with (information		
		or data))		
_	653	((((((data adj carrier) or tag or (bar	USPAT;	2003/10/06
		adj code)) and (signature or key) or	US-PGPUB	18:45
		(memory adj device)) and (digital adj		
		signature) or (private adj signature) or		
		(signature adj key)) and @ad<19990422)		
		and ((verify\$5 or check\$5) with		
		(information or data))) and ((read\$5 or		
		stor\$5) with (information or data))		0000/10/05
-	244	((((((data adj carrier) or tag or (bar	USPAT;	2003/10/06
		adj code)) and (signature or key) or	US-PGPUB	19:00
		(memory adj device)) and (digital adj	1	
	1	signature) or (private adj signature) or (signature adj key)) and @ad<19990422)		
		and ((verify\$5 or check\$5) with		
		(information or data))) and (((read\$5 or		
		stor\$5) with (information or data)) same		
		((data adj carrier) or tag or (bar adj		
		code) or (memory adj device)))		
-	190	((((((data adj carrier) or tag or (bar	USPAT;	2003/10/06
		adj code)) and (signature or key) or	US-PGPUB	19:01
		(memory adj device)) and (digital adj		
		signature) or (private adj signature) or		
		(signature adj key)) and @ad<19990422)		
		and ((verify\$5 or check\$5) with		
	,	(information or data)) and (((read\$5 or		
		stor\$5) with (information or data)) same ((data adj carrier) or tag or (bar adj		
		((data adj carrier) or tag of (bar adj code) or (memory adj device)))) and		
		(generat\$4 with (key or signature))		
L	1	1 /3		1

			•	
-	109	((((((data adj carrier) or tag or (bar	USPAT;	2003/10/06
	1	adj code)) and (signature or key) or	US-PGPUB	18:53
		(memory adj device)) and (digital adj		
		signature) or (private adj signature) or		
		(signature adj key)) and @ad<19990422)		
		and ((verify\$5 or check\$5) with		
	ļ	(information or data))) and (((read\$5 or		
	İ	stor\$5) with (information or data)) same		
		((data adj carrier) or tag or (bar adj		
		code) or (memory adj device)))) and		
		(generat\$4 with (key or signature)) and		
		((select\$4 or choos\$4) with (key or		
	l '	signature))		
-	22	((((((data adj carrier) or tag or (bar	USPAT;	2003/10/06
		adj code)) and (signature or key) or	US-PGPUB	18:59
		(memory adj device)) and (digital adj		
		signature) or (private adj signature) or		
		(signature adj key)) and @ad<19990422)		
	1	and ((verify\$5 or check\$5) with		
		(information or data))) and (((read\$5 or		
		stor\$5) with (information or data)) same		
		((data adj carrier) or tag or (bar adj		·
		code) or (memory adj device)))) and		
	·	(generat\$4 with (key or signature)) and		
	1	((select\$4 or choos\$4) with (key or		
1		signature)) and ((stor\$4) with (key or		
1		signature)) and tamper		0000/10/05
-	64	((((((data adj carrier) or tag or (bar	USPAT;	2003/10/06
		adj code)) and (signature or key) or	US-PGPUB	18:54
		(memory adj device)) and (digital adj		
		signature) or (private adj signature) or		
	1	(signature adj key)) and @ad<19990422)		
		and ((verify\$5 or check\$5) with		·
		(information or data))) and (((read\$5 or		
		stor\$5) with (information or data)) same		
	1	((data adj carrier) or tag or (bar adj		
	-	code) or (memory adj device)))) and		
		(generat\$4 with (key or signature)) and		
		((select\$4 or choos\$4) with (key or		
		signature)) and ((stor\$4) with (key or		
		signature)) and module		0000 /10 /06
-	88	((((((data adj carrier) or tag or (bar	USPAT;	2003/10/06
		adj code)) and (signature or key) or	US-PGPUB	18:54
		(memory adj device)) and (digital adj		· ·
		signature) or (private adj signature) or		
		(signature adj key)) and @ad<19990422)		
		and ((verify\$5 or check\$5) with		
		(information or data)) and (((read\$5 or		
		stor\$5) with (information or data)) same		
		((data adj carrier) or tag or (bar adj		
		code) or (memory adj device)))) and		
		(generat\$4 with (key or signature)) and		
		((select\$4 or choos\$4) with (key or		
		signature)) and ((stor\$4) with (key or		
	101	signature)) and (module or unit)	HEDAT.	2003/10/06
-	101		USPAT; US-PGPUB	19:03
		adj code)) and (signature or key) or	03-16100	19.03
		(memory adj device)) and (digital adj	1	
		signature) or (private adj signature) or		
		(signature adj key)) and @ad<19990422)]
		and ((verify\$5 or check\$5) with	1	
		(information or data)) and (((read\$5 or		
		stor\$5) with (information or data)) same		
		((data adj carrier) or tag or (bar adj		
		code) or (memory adj device)))) and		
		(generat\$4 with (key or signature)) and ((select\$4 or choos\$4) with (key or		•
1				
1	1 .	signature)) and ((stor\$4) with (key or		
		signature))	<u> </u>	<u> </u>

	328	(((((data adj carrier) or tag or (bar	USPAT;	2003/10/06
		adj code)) and (signature or key) or (memory adj device)) and (digital adj signature) or (private adj signature) or (signature adj key)) and @ad<19990422) and ((verify\$5 or check\$5) with (information or data))) and (((read\$5 or stor\$5) with (information or data)) same ((data adj carrier) or tag or (bar adj code) or ((memory or stor\$4) adj device))	US-PGPUB	19:00
_	257	((((((((data adj carrier) or tag or (bar adj code)) and (signature or key) or (memory adj device)) and (digital adj signature) or (private adj signature) or (signature adj key)) and @ad<19990422) and ((verify\$5 or check\$5) with (information or data)) and (((read\$5 or stor\$5) with (information or data)) same ((data adj carrier) or tag or (bar adj code) or ((memory or stor\$4) adj device)))) and (generat\$4 with (key or signature))	USPAT; US-PGPUB	2003/10/06 19:01
-		-	USPAT; US-PGPUB	2003/10/06 19:03

-	116	(((((((data adj carrier) or tag or (bar	USPAT;	2003/10/06
	·	adj code)) and (signature or key) or	US-PGPUB	19:03
		<pre>(memory adj device)) and (digital adj signature) or (private adj signature) or</pre>		
		(signature adj key)) and @ad<19990422)		
		and ((verify\$5 or check\$5) with		·
		(information or data))) and (((read\$5 or		
		stor\$5) with (information or data)) same		
		((data adj carrier) or tag or (bar adj		
		<pre>code) or ((memory or stor\$4) adj device)))) and (generat\$4 with (key or</pre>		
	i	signature))) not ((((((data adj		
		carrier) or tag or (bar adj code)) and		
:		(signature or key) or (memory adj		
		device)) and (digital adj signature) or		
		(private adj signature) or (signature adj		
	ĺ	key)) and @ad<19990422) and ((verify\$5 or check\$5) with (information or data))	,	
		and (((read\$5 or stor\$5) with		
		(information or data)) same ((data adj		
		carrier) or tag or (bar adj code) or		
1		((memory or stor\$4) adj device)))) and		
		(generat\$4 with (key or signature)) and		
		((select\$4 or choos\$4) with (key or signature)) and ((stor\$4) with (key or		
		signature)))		
-	141	((((((data adj carrier) or tag or (bar	USPAT;	2003/10/06
		adj code)) and (signature or key) or	US-PGPUB	19:26
		(memory adj device)) and (digital adj		
	1 .	signature) or (private adj signature) or (signature adj key)) and @ad<19990422)		
		and ((verify\$5 or check\$5) with		
		(information or data))) and (((read\$5 or		
	1	stor\$5) with (information or data)) same		
		((data adj carrier) or tag or (bar adj		
	,	code) or ((memory or stor\$4) adj device))		
)) and (generat\$4 with (key or signature)) and ((select\$4 or choos\$4)		
		with (key or signature)) and ((stor\$4)		.
1		with (key or signature))		
-	. 0	08792719.pn.	USPAT;	2003/10/07
İ			US-PGPUB	09:52
-	0	08792719.pn.	USPAT; US-PGPUB;	2003/10/07
			EPO; JPO;	05.55
			DERWENT	
_	1007	verif\$8 with signature with certificate	USPAT;	2003/10/07
			US-PGPUB	10:11
	198	(verif\$8 with signature with certificate)	USPAT;	2003/10/07
	162	and ship\$6 ((verif\$8 with signature with	US-PGPUB USPAT;	2003/10/07
-	102	certificate) and ship\$6) and record	US-PGPUB	09:57
-	148	((verif\$8 with signature with	USPAT;	2003/10/07
		certificate) and ship\$6) and record and	US-PGPUB	09:58
		(identifier or ID)	Henam.	2003/10/07
-	83	(((verif\$8 with signature with certificate) and ship\$6) and record and	USPAT; US-PGPUB	09:59
		(identifier or ID)) and ((data adj	05 13101	
1		carrier) or tag or (bar adj code))		
-	56	((((verif\$8 with signature with	USPAT;	2003/10/07
1		certificate) and ship\$6) and record and	US-PGPUB	09:59
ļ		(identifier or ID)) and ((data adj		
1	1 .	carrier) or tag or (bar adj code))) and (digital adj signature)		
1_	56		USPAT;	2003/10/07
		certificate) and ship\$6) and record and	US-PGPUB	10:00
		(identifier or ID)) and ((data adj		
		carrier) or tag or (bar adj code))) and		
		(digital adj signature) and key	IICDAT.	2003/10/07
-	349	verif\$8 with signature with certificate and @ad<19990422	USPAT; US-PGPUB	10:12
		and Gad/19990422	100 10100	1

_	140	(verif\$8 with signature with certificate and @ad<19990422) and (private near	USPAT; US-PGPUB	2003/10/07 11:17
_	26550	sign\$6) (merchandise or product) same (tag or (bar adj code) or (data adj carrier) or	USPAT; US-PGPUB	2003/10/07
_	31781	((memory or storage) adj device)) (merchandise or product or article) same	USPAT;	2003/10/07
		(tag or (bar adj code) or (data adj carrier) or ((memory or storage) adj	US-PGPUB	11:27
-	3844	device)) (merchandise or product or article) same (tag or (bar adj code) or (data adj carrier) or ((memory or storage) adj device)) same ((stor\$4 or sav\$4) near	USPAT; US-PGPUB	2003/10/07 11:30
-	5263	<pre>(information or data)) (merchandise or product or article) same (tag or (bar adj code) or (data adj carrier) or (id or identification) or ((memory or storage) adj device)) same ((stor\$4 or sav\$4) near (information or data))</pre>	USPAT; US-PGPUB	2003/10/07 11:31
-	6909	<pre>(merchandise or product or article) same (tag or (bar adj code) or (data adj carrier) or code or (id or identification) or ((memory or storage) adj device)) same ((stor\$4 or sav\$4)</pre>	USPAT; US-PGPUB	2003/10/07 11:35
-	6909	near (information or data)) (merchandise or product or article) same (tag or (bar adj code) or (data adj carrier) or code or (id or identification) or ((memory or storage) adj device)) same ((stor\$4 or sav\$4) near (information or data)) and	USPAT; US-PGPUB	2003/10/07 11:35
-	3001	ad<19990422 ((merchandise or product or article) same (tag or (bar adj code) or (data adj carrier) or code or (id or identification) or ((memory or storage) adj device)) same ((stor\$4 or sav\$4) near (information or data))) and @ad<19990422	USPAT; US-PGPUB	2003/10/07 11:38
_	1252099	(((merchandise or product or article) same (tag or (bar adj code) or (data adj carrier) or code or (id or identification) or ((memory or storage) adj device)) same ((stor\$4 or sav\$4) near (information or data))) and @ad<19990422) and (delivery or	USPAT; US-PGPUB	2003/10/07 11:39
-	5 68	distribution) (information or data) (((merchandise or product or article) same (tag or (bar adj code) or (data adj carrier) or code or (id or identification) or ((memory or storage) adj device)) same ((stor\$4 or sav\$4) near (information or data))) and @ad<19990422) and (delivery or distribution) with (information or data)	USPAT; US-PGPUB	2003/10/07 11:39
-	. 35	1	USPAT; US-PGPUB	2003/10/07 15:09

			r 	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
-	41	(((merchandise or product or article)	USPAT;	2003/10/07
		same (tag or (bar adj code) or (data adj	US-PGPUB	15:08
		carrier) or code or record or (id or		
		identification) or ((memory or storage) adj device)) same ((stor\$4 or sav\$4)		
		near (information\$5 or data))) and		
		@ad<19990422) and (digital adj signature)		
	·	and ((compar\$4 or verif\$5 or		
		check\$5) with (signature or key)) and		
		((process\$4 or generat\$4) with (signature		
		or key))		
_	35	(((merchandise or product or article)	USPAT;	2003/10/07
		same (tag or (bar adj code) or (data adj	US-PGPUB	15:09
ŀ		carrier) or code or (id or		
		identification) or ((memory or storage)		
1		adj device)) same ((stor\$4 or sav\$4)		
		near (information or data))) and	•	
		<pre>@ad<19990422) and (digital adj signature)</pre>		
		and ((verif\$5 or check\$5) with (signature		
		or key)) and ((process\$4 or generat\$4)		
		with (signature or key))	TIOD NO.	2002/10/07
-	6	((((merchandise or product or article)	USPAT;	2003/10/07
	1	same (tag or (bar adj code) or (data adj	US-PGPUB	15:09
		carrier) or code or record or (id or		
		identification) or ((memory or storage) adj device)) same ((stor\$4 or sav\$4)		
		near (information\$5 or data))) and		
		@ad<19990422) and (digital adj signature)		•
		and ((compar\$4 or verif\$5 or		
		check\$5) with (signature or key)) and		
		((process\$4 or generat\$4) with (signature	ļ	
		or key))) not (((merchandise or product		
		or article) same (tag or (bar adj code)		
	Į.	or (data adj carrier) or code or (id or		
i		identification) or ((memory or storage)		
		adj device)) same ((stor\$4 or sav\$4)		
		near (information or data))) and		
1		@ad<19990422) and (digital adj signature)		
		and ((verif\$5 or check\$5) with (signature		
1		or key)) and ((process\$4 or generat\$4)		
		with (signature or key)))	III D D D D D	2002/10/14
-	53		USPAT;	2003/10/14
		same (tag or (bar adj code) or (data adj	US-PGPUB	19:30
1		carrier) or code or (id or		
1		<pre>identification) or ((memory or storage) adj device)) same ((stor\$4 or sav\$4)</pre>		
1		near (information or data))) and		
1		Gad<19990422) and (digital adj signature)		
I _	294	(((merchandise or product or article)	USPAT;	2003/10/14
		same (tag or (bar adj code) or (data adj	US-PGPUB	19:33
		carrier) or code or (id or		
		identification) or ((memory or storage)		
		adj device)) same ((stor\$4 or sav\$4)		
1		near (information or data))) and		
		@ad<19990422) and ((signature or key)		
[with (verif\$7 or valid\$6 or check\$4))		
-	31	((((merchandise or product or article)	USPAT;	2003/10/14
		same (tag or (bar adj code) or (data adj	US-PGPUB	19:32
		carrier) or code or (id or		
		identification) or ((memory or storage)		
	1	adj device)) same ((stor\$4 or sav\$4)		·
		near (information or data))) and	İ	
		@ad<19990422) and ((signature or key)	İ	
		with (verif\$7 or valid\$6 or check\$4)))		
	1	and hash	<u> </u>	

	·			
-	300	(((merchandise or product or article)	USPAT;	2003/10/14
1	1	same (tag or (bar adj code) or (data adj	US-PGPUB;	19:33
		carrier) or code or (id or	EPO; JPO;	
		identification) or ((memory or storage)	DERWENT;	
		adj device)) same ((stor\$4 or sav\$4)	IBM TDB	
		near (information or data))) and	_	
		@ad<19990422) and ((signature or key)		
		with (verif\$7 or valid\$6 or check\$4))		
_	31		USPAT;	2003/10/14
		same (tag or (bar adj code) or (data adj	US-PGPUB;	19:33
		carrier) or code or (id or	EPO; JPO;	
		identification) or ((memory or storage)	DERWENT;	
	i	adj device)) same ((stor\$4 or sav\$4)	IBM TDB	
}		near (information or data))) and		
		@ad<19990422) and ((signature or key)		
		with (verif\$7 or valid\$6 or check\$4)))		
		and hash		
l _	1	5016276.pn.	USPAT;	2003/10/15
_	_	1 3010270.pii.	US-PGPUB	13:51
i _	13	5016276.URPN.	USPAT	2003/10/15
-	13	J010276.0RFN.	OJENI	13:20
	2	5016276 mm	USPAT;	2003/10/15
-	4	5016276.pn.	US-PGPUB;	15:20
			1	13.20
			EPO; JPO;	
			DERWENT;	
			IBM TDB	J